

## COLLISION DYNAMICS OF EXCITED SODIUM MOLECULES

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Collision cross section for transfer of anisotropy arising from collisions between electronically excited sodium dimer and ground level argon atoms has been examined. The experimental method is based on a polarization spectroscopy using a sophisticated resonant cw-pump-stimulated emission probe technique. Measurement of polarization from analysis of the emitted light is a very powerful method gaining information about the inelastic collision process between the electronically excited molecules and other collision partners. From the measurement, anisotropy-dependent polarization spectra of the  $\text{Na}_2^*$  with Ar has been investigated.<sup>a</sup>

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